

## CLAIMS

What is claimed is:

1. In a wireless communication system, a method of paging a plurality of users comprising:

(a) selecting a physical paging channel from a list of paging channels; and

(b) determining a particular paging occasion on the selected paging channel, the paging occasion being identified by a unique radio frame number, wherein a temporary identity is used to synchronize paging services of both point-to-point (PtP) and point-to-multipoint (PtM) services.

2. The method of claim 1 wherein the selected paging channel is substantially equivalent to the temporary identity mod K, where K is the number of physical paging channels that exist.

3. The method of claim 2 wherein the frame number is substantially equivalent to:

$$\{\text{temporary identity div } K\} \bmod \{\text{discontinuous reception cycle length}\} + n * \{\text{discontinuous reception cycle length}\}.$$

4. In a wireless communication system, a method of paging a plurality of users comprising:

(a) selecting a physical paging channel from a list of paging channels;

(b) determining a particular point-to-multipoint (PtM) paging occasion on the selected paging channel for each of a plurality of subsets of the users, the paging occasion being identified by a unique radio frame number; and

(c) generating a page occasion for each of the user subsets.

5. In a wireless communication system, a method of paging a plurality of users comprising:

- (a) determining a paging identity of a specific user equipment (UE);
- (b) selecting a physical paging channel from a list of paging channels;
- (c) determining a particular paging occasion on the selected paging channel; and
- (d) determining a broadcast service to be activated during the paging occasion.

6. The method of claim 5 wherein the broadcast service is a point-to-point (PtP) paging service.

7. The method of claim 5 wherein the broadcast service is a point-to-multipoint (PtM) paging service.